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ABSTRACT OF THE DISCLOSURE

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The method of consolidating a body in any of initially powdered, sintered, fibrous, sponge, or other form capable of compaction, that includes providing flowable pressure transmission particles having carbonaceous and ceramic composition or compositions; heating particles to elevated temperature; locating the heated particles in a bed; positioning the body at the bed, to receive pressure transmission; effecting pressurization of the bed to cause pressure transmission via the particles to the body, thereby to compact and consolidate the body into desired shape, increasing its density, the body consisting essentially of one or more metals selected from the following group: tungsten, rhenium, uranium, tantalum, platinum, copper, gold, hafnium, molybdenum, titanium, zirconium, aluminum, the consolidated body having, along a body dimension, one of the following characteristics: decreasing strength, increasing strength, or decreasing ductility (strain hardening) and increasing ductility (strain hardening).